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#3 1/2 1624

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/981,206A

DATE: 02/21/2002

TIME: 11:37:04

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APR 03 2002

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF3\02212002\I981206A.raw

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2 <110> APPLICANT: Achilefu, Samuel I.  
 3 Rajagopalan, Raghavan  
 4 Dorshow, Richard B.  
 5 Bugaj, Joseph E.  
 7 Mallinckrodt Inc.  
 9 <120> TITLE OF INVENTION: Carbocyanine Dyes For Tandem, Photodiagnostic  
 10 and Therapeutic Applications  
 12 <130> FILE REFERENCE: MRD-74  
 14 <140> CURRENT APPLICATION NUMBER: US/09/981,206A  
 15 <141> CURRENT FILING DATE: 2001-10-17  
 17 <160> NUMBER OF SEQ ID NOS: 8  
 19 <170> SOFTWARE: PatentIn Version 3.1  
 21 <210> SEQ ID NO: 1  
 22 <211> LENGTH: 8  
 23 <212> TYPE: PRT  
 24 <213> ORGANISM: Artificial Sequence  
 26 <220> FEATURE:  
 27 <221> NAME/KEY: MOD RES  
 28 <222> LOCATION: (1)...(8)  
 29 <223> OTHER INFORMATION: Xaa at location 1 represents D-Phe. Artificial sequence is  
 30 completely synthesized.  
 31 <223> OTHER INFORMATION: Xaa at locations 2 and 7 represents Cys with an  
 32 intramolecular disulfide bond between two Cys  
 33 amino acids. Artificial sequence is completely synthesized.  
 34 <223> OTHER INFORMATION: Xaa at location 4 represents D-Trp. Artificial sequence is  
 35 completely synthesized.  
 37 <400> SEQUENCE: 1  
 38 Xaa Xaa Tyr Xaa Lys Thr Xaa Thr  
 39 1 5  
 42 <210> SEQ ID NO: 2  
 43 <211> LENGTH: 8  
 44 <212> TYPE: PRT  
 45 <213> ORGANISM: Artificial Sequence  
 47 <220> FEATURE:  
 48 <221> NAME/KEY: MOD RES  
 49 <222> LOCATION: (1)...(8)  
 50 <223> OTHER INFORMATION: Xaa at location 1 represents D-Phe. Artificial sequence is  
 51 completely synthesized.  
 52 <223> OTHER INFORMATION: Xaa at locations 2 and 7 represents Cys with an  
 53 intramolecular disulfide bond between two Cys  
 54 amino acids. Artificial sequence is completely synthesized.  
 55 <223> OTHER INFORMATION: Xaa at location 4 represents D-Trp. Artificial sequence is  
 56 completely synthesized.

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57 <223> OTHER INFORMATION: Xaa at location 8 represents Thr-OH. Artificial sequence is  
 58 completely synthesized.

60 <400> SEQUENCE: 2

W--> 61 Xaa Xaa Tyr Xaa Lys Thr Xaa Xaa  
 62 1 5

65 <210> SEQ ID NO: 3  
 66 <211> LENGTH: 11  
 67 <212> TYPE: PRT  
 68 <213> ORGANISM: Unknown  
 70 <220> FEATURE:

W--> 71 <221> NAME/KEY: MOD RES  
 72 <222> LOCATION: (1)...(11)  
 73 <223> OTHER INFORMATION: Bombesin analog  
 75 <400> SEQUENCE: 3  
 76 Gly Ser Gly Gln Trp Ala Val Gly His Leu Met  
 77 1 5 10

80 <210> SEQ ID NO: 4  
 81 <211> LENGTH: 11  
 82 <212> TYPE: PRT  
 83 <213> ORGANISM: Unknown  
 85 <220> FEATURE:

W--> 86 <221> NAME/KEY: MOD RES  
 87 <222> LOCATION: (1)...(11)  
 88 <223> OTHER INFORMATION: Bombesin analog  
 90 <400> SEQUENCE: 4  
 91 Gly Asp Gly Gln Trp Ala Val Gly His Leu Met  
 92 1 5 10

95 <210> SEQ ID NO: 5  
 96 <211> LENGTH: 8  
 97 <212> TYPE: PRT  
 98 <213> ORGANISM: Unknown  
 100 <220> FEATURE:

W--> 101 <221> NAME/KEY: MOD RES  
 102 <222> LOCATION: (1)...(8)  
 103 <223> OTHER INFORMATION: Cholecystokinin octapeptide analogs  
 105 <400> SEQUENCE: 5  
 106 Asp Tyr Met Gly Trp Met Asp Phe  
 107 1 5

110 <210> SEQ ID NO: 6  
 111 <211> LENGTH: 8  
 112 <212> TYPE: PRT  
 113 <213> ORGANISM: Artificial Sequence  
 115 <220> FEATURE:

W--> 116 <221> NAME/KEY: MOD RES  
 117 <222> LOCATION: (1)...(8)  
 118 <223> OTHER INFORMATION: Xaa at locations 3 and 6 represents Norleucine. Artificial  
 119 sequence is completely synthesized.  
 121 <400> SEQUENCE: 6

W--> 122 Asp Tyr Xaa Gly Trp Xaa Asp Phe

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Input Set : A:\pto.vsk.txt

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123 1 5  
128 <210> SEQ ID NO: 7  
129 <211> LENGTH: 8  
130 <212> TYPE: PRT  
131 <213> ORGANISM: Artificial Sequence  
133 <220> FEATURE:  
W--> 134 <221> NAME/KEY: MOD RES  
135 <222> LOCATION: (1)...(8)  
136 <223> OTHER INFORMATION: Xaa at location 1 represents D-Asp. Artificial sequence is  
137 completely synthesized.  
138 <223> OTHER INFORMATION: Xaa at locations 3 and 6 represents Norleucine. Artificial  
139 sequence is completely synthesized.  
141 <400> SEQUENCE: 7  
W- 142 Xaa Tyr Xaa Gly Trp Xaa Asp Phe  
143 1 5  
146 <210> SEQ ID NO: 8  
147 <211> LENGTH: 8  
148 <212> TYPE: PRT  
149 <213> ORGANISM: Artificial Sequence  
151 <220> FEATURE:  
W--> 152 <221> NAME/KEY: MOD RES  
153 <222> LOCATION: (1)...(8)  
154 <223> OTHER INFORMATION: Xaa at location 1 represents D-Lys. Artificial sequence is  
155 completely synthesized.  
157 <400> SEQUENCE: 8  
W- 158 Xaa Pro Arg Arg Pro Tyr Ile Leu  
159 1 5

## VERIFICATION SUMMARY

DATE: 02/21/2002

PATENT APPLICATION: US/09/981,206A

TIME: 11:37:05

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF3\02212002\I981206A.raw

L:27 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:38 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:48 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2  
L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:71 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3  
L:86 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4  
L:101 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5  
L:116 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6  
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:134 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7  
L:142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:152 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8  
L:158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8